NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NO.NC/QC/YD/2020-21/W2-SS

Date: 09-02-2021

To,
The Executive Engineer,
Yelahanka Division
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of Work: Improvements to roads and Drains at SC/ST areas in ward no-02 of Yelahanka Sub Division

Item No	Description of work	Unit	Qty	Remarks
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods	Cum	352.42	Work done upto the Billed Quantity and the Quality is Satisfactory
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as	Cum	0.99	Work done upto the Billed Quantity and the Quality is Satisfactory
3	b) 20mm Jelly	Cum	0.99	Work done upto the Billed Quantity and the Quality is Satisfactory
4	c) Coarse sand.	Cum	0.74	Work done upto the Billed Quantity and the Quality is Satisfactory
5	d) Fine Sand	Cum	0.50	Work done upto the Billed Quantity and the Quality is Satisfactory
6	e) 12.5mm chips	Cum	0.74	Work done upto the Billed Quantity and the Quality is Satisfactory
7	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into	Rmt	14.40	Work done upto the Billed Quantity and the Quality is Satisfactory
8	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings or as approved by Engineer Incharge	Sqm	2.48	Work done upto the Billed Quantity and the Quality is Satisfactory
9	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine	Cum	88.38	Work done upto the Billed Quantity and the Quality is Satisfactory
10	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum	Cum	91.11	Work done upto the Billed Quantity and the Quality is Satisfactory
11	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to	Ton	5.55	Work done upto the Billed Quantity and the Quality is Satisfactory
12	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery,	Sqm	326.97	Work done upto the Billed Quantity and the Quality is Satisfactory

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AE-02

Item No	Description of work	Unit	Qty	Remarks
13	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery,	Sqm	6.84	Work done upto the Billed Quantity and the Quality is Satisfactory
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing	Nos	622.00	Work done upto the Billed Quantity and the Quality is Satisfactory
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB	Sqm	111.96	Work done upto the Billed Quantity and the Quality is Satisfactory
16	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled	Cum	47.09	Work done upto the Billed Quantity and the Quality is Satisfactory
17	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to	Cum	35.31	Work done upto the Billed Quantity and the Quality is Satisfactory
18	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges,	Cum	4723.77	Work done upto the Billed Quantity and the Quality is Satisfactory
19	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed	Cum	207.29	Work done upto the Billed Quantity and the Quality is Satisfactory
20	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant	Cum	1086.47	Work done upto the Billed Quantity and the Quality is Satisfactory
21	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm	Sqm	4723.77	Work done upto the Billed Quantity and the Quality is Satisfactory
22	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road	Sqm	4723.77	Work done upto the Billed Quantity and the Quality is Satisfactory
23	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the	Cum	236.19	Work done upto the Billed Quantity and the Quality is Satisfactory
24	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver	Cum	141.71	Work done upto the Billed Quantity and the Quality is Satisfactory
25	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick	Sqm	181.51	Work done upto the Billed Quantity and the Quality is Satisfactory

RE-2

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With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,

With Regards,

RE-02

For Newzen Consultants Bangalore

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NO.NC/QC/YD/2020-21/W2-SS

Date: 09-02-2021

To,
The Executive Engineer,
Yelahanka Division
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of Work: Improvements to roads and Drains at SC/ST areas in ward no-02 of Yelahanka Sub Division

Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
1	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse	Cum	88.38	1	Per 100 cum	Meets Morth V Revision Standards
2	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal	Cum	91.11	2	Per 50 cum	Meets Morth V Revision Standards
3	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding	Ton	5.55	2	Per each dia	Meets Morth V Revision Standards
4	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm	Nos	622.00	2	Per 500 Nos	Meets Morth V Revision Standards
5	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine	Cum	35.31	1	Per 50 cum	Meets Morth V Revision Standards
6	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt	Cum	207.29	1	Per 400 cum	Meets Morth V Revision Standards
7	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre	Cum	1086.47	5	Per 200 cum	Meets Morth V Revision Standards

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AE-02

Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
8	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous	Cum	236.19	5	Per 50 cum	Meets Morth V Revision Standards
9	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and	Cum	141.71	4	Per 50 cum	Meets Morth V Revision Standards

AE-2

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill. The all the samples satisfies the standards requirements as per MORTH V Revision 2013.

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Thanking you,

With Regards,

AE-02

NEWZEN CONSULTANT * Bangalore *

For Newzen Consultants Bangalore